

IN THE ABSTRACT

~~This invention prevents complication of an application to reduce the labor of development and ensure normal processing. In this invention, a~~ A processing element definition unit stores the identification information and execution order of processing elements to be used, for ~~each~~ identification information of ~~a process~~ an application which sequentially uses a plurality of processing elements. A recovery processing element definition unit stores the identification information of a recovery processing element to be executed when an abnormality occurs, for ~~each~~ identification information of a processing element. An executing unit refers to the processing element definition unit ~~on the basis of a processing element use request,~~ and executes a processing element ~~to be processed next~~. When an abnormality occurs during execution of ~~a~~ the processing element, a recovery executing unit refers to the recovery processing element definition unit, on the basis of the identification information of the processing element which has caused the abnormality, and executes a recovery processing element corresponding to the abnormality.